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LIST OF THE ERENCES CITED BY APPLICANT			ANT	APPLICANT Peterson et al.					
131	199	7 k :			FILING DATE GROUP				16
	ALBEA		•		October 24, 1996	1816	805	K	
			U.S	S. PATENT DOCUM	MENTS				
"EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS		G DATE ROPRIATE
25	АА	5,441,885	8/15/95	Goldberg		435	254.34		
123	АВ	4,399,219	8/16/83	Weaver		435	34		
123	CR	5,527,896	6/18/96	Wigler et al.		536	23.5		
X	cs	5,506,126	4/9/96	Seed et al.		435	172.3		
2/3	ст	5,434,065	7/18/95	Mahan et al.		435	172.3		
Jacob Company	cu	5,326,691	7/5/94	Hozier		435	6		
	r			IGN PATENT DOC		1	1	[
9.0.		DOCUMENT NUMBER	DATE	5 A	COUNTRY	CLASS	SUBCLASS	TRANS	NO
JBB .	AC	WO 95/08548	03/30/95	РСТ					
XB.	AD	WO 94/29469	12/22/94	РСТ					
1 23	AE	WO 94/29462	12/22/94	РСТ					
1	AF	WO 93/06213	04/01/93	PCT					
QZ3	AG	EP 0 534 619	03/31/93	Europe					
ASS.	cv	WO 95/30012	11/09/95	PCT					
785	cw	WO 94/23025	10/13/94	PCT					
		OTHER REF	FERENCES (Incl	luding Author, Title	, Date, Pertinent Pages, Etc.)				
		Arisawa et al., "Cloni	ng of the Ma	acrolide Antibio	tic Biosynthesis Gene Acy	A, Whi	ch Encode	es 3-0)-
MB	АН	Acyltransferase, Fron	n Streptomy	ces Thermotoler	ans and Its Use for Direct	Ferme	ntative Pr	oduct	ion
1		of a Hybrid Macrolide Antibiotic", Appl. Env. Micro. 60(7):2657-2660 (1994).							
v3		Fu et al., "Engineered Biosynthesis of Novel Polyketides: Stereochemical Course of Two Reactions							
	AI	///\			ry 33:9321-9326 (1994)				
JEG	LA	Kao <i>et al.</i> , "Engineere 265 :509-511 (1994	-	sis of a Comple	te Macrolactone in a Hete	rologou	ıs Host" S	Scienc	e
	ļ ——						 -		
SO	Rani et al., "Cloning and Expression of the Mercury Resistance Genes of Marine Pseudomonas Sp. Strain MR1 Plasmid pMR1 in Escherichia Coli," Res. Microbiol. 145:121-127 (1994)					p.			

X3)	AL	McDaniel et al., "Engineered Biosynthesis of Novel Polyketides", Science 262:1546-1550 (1993).
X	AM	Murdock et al., "Construction of Metabolic Operon Catalyzing the De Novo Biosynthesis of Indigo in Escherichia Coli" Bio/Technology 11:381-385 (1993).
87	AN	Steglitz-Morsdorf et al.,, "Cloning Heterologous Expression and Sequencing of the Proteus Vulgaris glnAntrBC Operon, and Implications of Nitrogen Control on Heterologous Urease Expression", FEMS Microbiol Lett, 106:157-164 (1993).
36	AO	LaCalle et al., "Cloning of the Complete Biosynthetic Gene Cluster for an Aminonucleoside Antibiotic, Puromycin, and its Regulated Expression in Heterologous Hosts" EMBO J. 2:785-792 (1992).
S	АР	Hundle et al., "Carotenoids of Erwinia Herbicola and an Escherichia Coli HB101 Strain Carrying the Erwinia Herbicola Gene Cluster", Photochem. and Photobiol. 54(1):89-93 (1991).
*	DA	Thanabalu <i>et al.</i> , "Cloning, Sequencing and Expression of a Gene Encoding a 100-Kilodalton Mosquitocidal Toxin from Bacillus sphaericus SSII-1" J. Bact. 173:2776-2785 (1991).
S	AR	Sarwar et al., "Cloning of Aminoglycoside Phosphotransferase (APH) Gene from Antbiotic-Producing Strain of Bacillus Circulans into a High-Expression Vector, pKK233-3", Biochem. J. 268:671-677 (1990).
Jan 1	AS	Rojo et al., "Assemblage of Ortho Cleavage Route for Simultaneous Degradation of Chloro- and Methylaromatics" Science 238:1395-1398 (1987).
3	AT	Malpartida <i>et al.</i> , "Molecular Cloning of the Whole Biosynthetic Pathway of a Streptomyces Antibiotic and its Expression in a Heterologous Host", Nature 309:462-464 (1984).
Br	AU	Ensley et al., "Expression of Napthalene Oxidation Genes in Escherichia Coli Results in the Biosynthesis of Indigo" Science 222:167-169 (1983)
33	AV	Dunlap <i>et al.</i> , "Characterization of a Periplasmic 3':5'-Cyclic Nucleotide Phosphodiesterase Gene, cpdP, from the Marine Symbiotic Bacterium Vibrio Fischeri", J. Bact. 175 (15):4615-4624 (1993).
get .	AW	Fukagawa et al., "Cloning of Gene Responsible for Tributyltin Chloride (TBTCI) Resistance in TBTCI-Resistant Marine Bacterium, Alteromonas S. M-1", Biochem. Biophys. Res. Comm. 194(2):733-740 (1993).
SB	AX	Tsujibo <i>et al.</i> , "Cloning, Sequence, and Expression of a Chitinase Gene from a Marine Bacterium, Alteromonas Sp. Strain 0-7", J. Bact. 175(1):176-181 (1993)
X.B	AY	Danaher et al., "Expression of Cloned Restriction and Modification Genes, hjaIRM from Hyphomonas Jannaschiana in Escherichia Coli", Gene 89:129-133 (1992).
X65	AZ	David et al., "Cloning, Sequencing, and Expression of the Gene Encoding the Extracellullar Neutral Protease, Vibriolysin, of Vibrio Proteolyticus", Gene 112:107-112 (1992).
JSB	ВА	MacLeod et al., "Identification and Sequence of Na ⁺ -Linked Gene from the Marine Bacterium Alteromonas Haloplanktis Which Functionally Complements the dagA Gene of Escherichia Coli", Mol. Micro. 6(18):2673-2681 (1992).

		<u>, </u>
36	88	Sorum et al., "Identification and Cloning of a Tetracycline Resistance Gene From the Fish Pathogen Vibrio Salmonicida", Antimicro. Agents Chemo. 36(3):611-615 (1992).
X	ВС	Fuqua et al., "Characterization of melA: A Gene Encoding Malanin Biosynthesis from the Marine Bacterium Shewanella colwelliana", Gene 109:131-136 (1991).
80	BD	Nakamura <i>et al.</i> , "Cloning and Sequencing of an Na ⁺ /H ⁺ Antiporter Gene from the Marine Bacterium Vibrio Alginolyticus"., Biochim. Biophys. Acta 1190:465-468 (1990).
86	BE	Barbeyron et al., "The Gene Encoding the Kappa-Carrageenase of Alteromonas Carrageenovora is Related to Beta-1,3-1, 4-Glucanases"., Gene 139:105-109 (1982).
SB	BF	Huse, "Construction of Combinatorial Antibody Expression Libraries in Escherichia Coli" CIBA Foundation Symposium 159, p. 91-102 (1991).
8	BG	Simonsen <i>et al.</i> , "Cloning by Function: Expression Cloning in Mammalian Cells" Trends in Pharm. Sci. 15 :437-441 (1994).
86	вн	Luyten et al., "Receptor Cloning and Heterologous Expression Towards a New Tool for Drug Discovery" Trends in Biotech. 11:247-54 (1993).
\$13	ВІ	Nakayama et al., "Use of Mammalian Cell Expression Cloning Systems to Identify Genes for Cytokines, Receptors and Regulatory Proteins" Curr. Opin. Biotech. 3:497-505 (1992).
\$63	ผ	Shizuya et al., "Cloning and Stable Maintenance of 300-Kilobase-Pair Fragments of Human DNA in E. Coli Using an F-Factor-Based Vector", Proc. Natl. Acad. Sci. USA 89:8794-8797 (1992).
1865	вк	Aruffo, "Expression Cloning Systems" Curr. Opin. Biotech. 2:735-741 (1991).
BB	BL	Clarke et al., "A Colony Bank Containing Synthetic Col E-1 Hybrid Plasmids Representative of the Entire E. Coli Genome", Cell 9:91-99 (1976).
Ses	ВМ	Hutchinson, "Drug Synthesis by Genetically Engineered Microorganisms" Bio/Technology 12:375-379 (1994).
BB	BN	Ecker et al.," Combinatorial Drug Discovery: Which Methods Will Produce the Greatest Value?," Bio/Technology 13:351-360 (April 1995)
JE33	во	Katz et al., "Polyketide Synthesis Prospects for Hybrid Antibioitics", An. Rev. Microbiol. 47:875-912 (1993)
JB	ВР	Fenical and Jenson, Marine Microorganisms: A New Biomedical Resource. Advances in Marine Biotechnology, Vol. I: Pharmaceutical and Bioactive Natural Products, pp. 419-457, D. Attaway, O. Zaborsky, eds., Plenum Press, New York. (1992).
8 G	BQ	Hopwood <i>et al.</i> , in <u>Secondary Metabolites: Their Function and Evolution</u> , Wiley, Clichester (CIBA Foundation Symposium 171) p. 88-122 (1992).
RB	BR	Floss et al., "Genetic Engineering of Hybrid Antibiotics- a Progress Report", Tetrahedron 47:6045-6058 (1991).

je je	BS	Tapiolas et al., "Octalactins A and B, Cytotoxic 8-Membered Ring Lactones from the Marine Bacterium Streptomyces Sp.", J. Amer. Chem. Soc. 113:4682-4683 (1991).
S	вт	Orser <i>et al.</i> , "Use of Prokaryotic Stress Promoters as Indicators of the Mechanism of Chemical Toxicity", In Vitro Toxicology 8(1):71-85 (1995).
85	BU	Cohen et al., "Genetic and Functional Analysis of the Multiple Antibiotic Resistance (MAR) Locus in Escherichia Coli", J. Bact. 175(5):1484-1492 (1993).
ACT .	BV	Cohen et al., "Salicylate Induction of Antibiotic Resistance in Escherichia Coli: Activation of the MAR Operon and a MAR-Independent Pathway", J. Bact. 175(24):7859-7862 (1993).
86	вW	Corbisier et al., "LuxAB Gene Fusions with the Arsenic and Cadmium Resistance Operons of Staphylococcus Aureus Plasmid pl258", FEMS Microbiology Letters 110(2):231-238 (1993).
84	вх	de Lorenzo <i>et al.</i> , "Engineering of Alkyl- and Haloaromatic-Responsive Gene Expression with Mini- Transposons Containing Regulated Promoters of Biodegradative Pathways of <i>Pseudomonas</i> ", Gene 130:41-46 (1993).
XS.	ВҮ	Metcalf <i>et al.</i> , "Mutational Analysis of an <i>Escherichia Coli</i> Fourteen-Gene Operon for Phosphonate Degradation, Using TnphoA' Elements", J. Bact. 175 (11):3430-3442 (1993).
AS.	BZ	Mekalanos, "Environmental Signals Controlling Expression of Virulence Determinants in Bacteria," J. Bacteriol. 174:1-7 (1992)
SES.	CA	Slauch <i>et al.</i> , "Genetic Fusions as Experimental Tools," Methods in Enzymology, 204 :213-249 (1991).
J83	СВ	Ramos et al., "Broad-Host Range Expression Vectors Containing Manipulated Meta-Cleavage Pathway Regulatory Elements of the TOL Plasmid", FEBS Letters 226(2):241-246 (1988).
XC.	СС	Mermod <i>et al.</i> , "Vector for Regulated Expression of Cloned Genes in a Wide Range of Gram-Negative Bacteria", J. Bact. 167 (2):447-454 (1986)
Jeb .	CD	Ramos et al., "Altered Effector Specificities in Regulators of Gene Expression: TOL Plasmid xylS Mutants and Their Use to Engineer Expansion of the Range of Aromatics Degraded by Bacteria", Proc. Natl. Acad. Sci. USA 83:8467-8471 (1986).
183	CE	Reznikoff et al., "The Regulation of Transcription Initiation in Bacteria", Annual Review of Genetics 19:355-387 (1985).
Jes	CF	Heim et al., "Improved Green Fluorescence", Nature 373(6516):663-664 (1995).
Je Co		Lu <i>et al.</i> , "Expression of Thioredoxin Random Peptide Libraries on the <i>Escherichia Coli</i> Cell Surface as Functional Fusions to Flagellin: A System Designed for Exploring Protein-Protein Interactions", Bio/Technology 13:366-372 (1995).
SS	СН	Chalfie et al., "Green Fluorescent Protein as a Marker for Gene Expression", Science 263:802-805 (1994).
J8377	CI	Schechter et al., "Fluorescence Dye as Monitor of Internal pH in E. Coli Cells", FEBS Letters 139:121 (1982).
·		

	83	cา	Bentley et al., "The Development and Application of Automated Gridding for Efficient Screening of Yeast and Bacterial Ordered Libraries", Genomics 12:534-541 (1992).
		ск	Bronstein et al., "Cheimiluminescent and Bioluminescent Gene Assays," Anal. Biochem. 219:169- 181
	H	CL	Geiselhart et al., "Construction and Evaluation of a Self-Luminescent Biosensor" Annals NY Acad. Sci. 646:53-60 (1991)
	JC	СМ	Franco et al., "Detection of Novel Secondary Metabolites", In <u>Critical Reviews in Biotechnology</u> , Vol. 11(3):193-276 (1991).
	A S	CN	Powell et al., "Gel Microdroplets and Flow Cytometry: Rapid Determination of Antibody Secretion by Individual Cells Within a Cell Population", Bio/Technology 8:333-337 (1990).
	SF .	со	Nolan et al., "Fluorescence-Activated Cell Analysis and Sorting of Viable Mammalian Cells Based on \$\beta\$-D-Galactosidase Activity after Transduction of Escherischia Coli LacZ", Proc. Natl. Acad. Sci. USA 85:203 (1988).
	SS	СР	Weaver et al., "Gel Microdroplets: Rapid Detection and Enumeration of Individual Microorganisms by Their Metabolic Activity", Bio/Technology 6:1084-1089 (1988).
	RG.	ca	Berdy et al., "Search and Discovery Methods for Novel Antimicrobials". In <u>Bioactive Metabolites</u> <u>From Micro-Organisms</u> , pp. 3-25, M.E. Bushell, U. Grafe, eds., Elsevier, Amsterdam. (1982).
		cx	Johnson et al., "Plasmid RK2 Toxin Protein ParE: Purification and Interaction with the ParD Antitoxin Protein", J. Bacteriol. 178:1420-1429 (1996)
	Jahr 1	CY	Brun et al., "pDblet, a Stable Autonomously Replicating Shuttle Vector for Schizosaccharomyces pombe", Gene 164:173-177 (1995)
	Je G	cz	Kovach et al., "pBBR1MCS: A Broad-Host-Range Cloning Vector", BioTechniques 16:800-802 (1994)
	365	DA	Pansegrau <i>et al.</i> , "Complete Nucleotide Sequence of Birmingham IncPσ Plasmids. Compilation and Comparative Analysis", J. Mol. Biol. 239:623-663 (1994)
	Jes -	DB	Hayman et al., "Movement of Shuttle Plasmids from Escherichia coli into Yeasts Other Than Saccharomyces cerevisiae Using Trans-Kingdom Conjugation", Plasmid 30:251-257 (1993)
1 10/5		DC	Davis et al., "Spore Colour in Streptomyces coelicolor A3(2) Involves the Developmentally Regulated Synthesis of a Compound Biosynthetically Related to Polyketide Antibiotics", Mol. Microbiol. 4:1679-1691 (1990)
	JB	DD	Muth et al., "A Vector System with Temperature-Sensitive Replication for Gene Disruption and Mutational Cloning in Streptomyces", Mol. Gen. Genet. 219:341-348 (1989)
	JB	DE	Sambrook <i>et al.</i> , "Molecular Cloning, A Laboratory Manual" 2nd. ed., Cold Spring Harbor Laboratory Press, pp. xi-xxxv (table of contents), (1989)
	J.G	DF	Feitelson et al., "Genetic and Biochemical Characterization of the red Gene Cluster of Streptomyces coelicolor A3(2)", J. Gen. Microbiol. 131:2431-2441 (1985)
_			

	EXAMINER D. 1/2 /			DATE CONSIDERED	
1	Jes	Hopwood et al., "Genetic Manipulation of Streptomyces, A Laboratory Manual", The John Innes Foundation, Norwich, England, pp. v-xii (table of contents), (1985)			
/	Plasmid Function Provided in trans", Proc. Natl. Acad. Sci. USA 76:1648-1652 (1979)				
/	DL Ditta et al., "Broad Host Range DNA Cloning System for Gram-Negative Bacteria: Construction of Gene Bank of Rhizobium meliloti", Proc. Natl. Acad. Sci. USA 77:7347-7351 (1980)				
/	*	DK	Maniatis et al., "Molecular Cloning, A Laboratory Manual", Cold Spring Harbor Laboratory, pp. 229-246, 295-296, (1982)		
/	A.C.	נם	DJ Knauf and Nester, "Wide Host Range Cloning Vectors: A Cosmid Clone Bank of an Agrobacterium T Plasmid", Plasmid 8:45-54 (1982)		
_	35 7	DI		omycin B Resistance Gene by Transcriptional and ing", Nucl. Acids Res. 11:6895-6911 (1983)	
	857	DH	Brau et al., "Genes for Gentamicin-(3)-N-Acetyltransferases III and IV: I. Nucleotide Sequence of the AAC(3)-IV Gene and Possible Involvement of an IS140 Element in Its Expression", Mol. Gen. Genet. 193:179-187 (1984)		
/	327	DG	Lydiate <i>et al.</i> , "The <i>Streptomyces</i> Plasmid Substitution Useful Cloning Vectors", Gene 35 :223-235	SCP2*: Its Functional Analysis and Development into (1985)	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.